SOIL LEGEND

The first capital letter is the initial one of the soil name. A second capital letter, A, B, C, D, or E, shows the slope. Some symbols without a slope letter are for nearly level soils such as Gowen clay loam, but some are for soils or land types that have considerable range in slope. A final number, 2 or 3, in the symbol means that a soil is eroded or severely eroded

SYMBOL	NAME
AuB	Austin silty clay, 1 to 3 percent slopes
AuC	Austin silty clay, 3 to 5 percent slopes
BpC	Brackett clay loam, 1 to 5 percent slopes
BrD	Brackett soils, 5 to 12 percent slopes
BrE	Brackett soils, 12 to 30 percent slopes
BsC	Brackett–Austin complex, 1 to 5 percent slopes
BtE	Brackett–Tarrant association, hilly
Ca	Crawford clay
Cb	Crawford and Bexar stony soils
CfA	Crockett fine sandy loam, 0 to 1 percent slopes
CfB	Crockett fine sandy loam, 1 to 3 percent slopes
CkC2	Crockett soils, 2 to 5 percent slopes, eroded
DmC	Duval loamy fine sand, 1 to 5 percent slopes
DnB	Duval fine sandy loam, 1 to 3 percent slopes
DnC	Duval fine sandy loam, 3 to 5 percent slopes
DsC2	Duval soils, 3 to 5 percent slopes, eroded
EuC	Eufaula fine sand, 0 to 5 percent slopes
Fr	Frio clay loam
Go	Gowen clay loam
Gu	Gullied land
HgD	Hilly gravelly land
HkB	Hockley loamy fine sand, 0 to 3 percent slopes
HkC	Hockley loamy fine sand, 3 to 5 percent slopes
HkC2	Hockley loamy fine sand, 3 to 5 percent slopes, eroded
HnB	Houston clay, 1 to 3 percent slopes
HnC2	Houston clay, 3 to 5 percent slopes, eroded
HnC3	Houston clay, 3 to 5 percent slopes, severely eroded
HoD3	Houston–Sumter clays, 5 to 10 percent slopes, severely eroded
HsA	Houston Black clay, 0 to 1 percent slopes
HsB	Houston Black clay, 1 to 3 percent slopes
HsC	Houston Black clay, 3 to 5 percent slopes
HtA	Houston Black clay, terrace, 0 to 1 percent slopes
HtB	Houston Black clay, terrace, 1 to 3 percent slopes
HuB	Houston Black gravelly clay, 1 to 3 percent slopes
HuC	Houston Black gravelly clay, 3 to 5 percent slopes
HuD	Houston Black gravelly clay, 5 to 8 percent slopes
KaB	Karnes loam, 1 to 3 percent slopes
KaC	Karnes loam, 3 to 5 percent slopes
KcC2	Karnes clay loam, 3 to 5 percent slopes, eroded
Kr	Krum complex
LfB	Leming loamy fine sand, 0 to 3 percent slopes
LvA	Lewisville silty clay, 0 to 1 percent slopes
LvB	Lewisville silty clay, 1 to 3 percent slopes
LvC	Lewisville silty clay, 3 to 5 percent slopes
OrA	Orelia clay loam, 0 to 1 percent slopes
OrB	Orelia clay loam, 1 to 3 percent slopes
PaA	Patrick soils, 0 to 1 percent slopes
PaB	Patrick soils, 1 to 3 percent slopes
PaC	Patrick soils, 3 to 5 percent slopes
Pt	Pits and Quarries
SaB	San Antonio clay loam, 1 to 3 percent slopes
SaC	San Antonio clay loam, 3 to 5 percent slopes
SaC2	San Antonio clay loam, 3 to 5 percent slopes, eroded
ScB	Stephen silty clay, 1 to 3 percent slopes
ScC	Stephen silty clay, 3 to 5 percent slopes
TaB	Tarrant association, gently undulating
TaC	Tarrant association, rolling
TaD	Tarrant association, hilly
Tb	Tarrant soils, chalk substratum, undulating
Tc	Trinity clay
Tf	Trinity and Frio soils, frequently flooded
VaA	Venus loam, 0 to 1 percent slopes
VaB	Venus loam, 1 to 3 percent slopes
VcA	Venus clay loam, 0 to 1 percent slopes
VcB	Venus clay loam, 1 to 3 percent slopes
VcC	Venus clay loam, 3 to 5 percent slopes
WbB	Webb fine sandy loam, 1 to 3 percent slopes
WbC	Webb fine sandy loam, 3 to 5 percent slopes
WeC2	Webb soils, 3 to 5 percent slopes, eroded
WeC3	Webb soils, 3 to 5 percent slopes, severely eroded
WmA	Willacy loam, 0 to 1 percent slopes
WmB	Willacy loam, 1 to 3 percent slopes
Za	Zavala fine sandy loam
Zg	Zavala and Gowen soils, frequently flooded

CONVENTIONAL SIGNS

WORKS AND STRUCTURES

Highways and roads

- Dual
- Good motor
- Poor motor
- Trail

Highway markers

- National Interstate
- U. S.
- State

Railroads

- Single track
- Multiple track
- Abandoned

Bridges and crossings

- Road
- Trail, foot
- Railroad
- Ferries
- Ford
- Grade
- R. R. over
- R. R. under
- Tunnel

- Buildings
- School
- Church
- Station

- Mines and Quarries
- Mine dump
- Pits, gravel or caliche
- Power lines
- Pipe lines
- Cemeteries
- Dams
- Levees
- Tanks
- Oil wells

BOUNDARIES

- National or state
- County
- Land division corners
- Reservation
- Land grant

DRAINAGE

Streams

- Perennial
- Intermittent, unclass.

- Canals and ditches — CANAL / DITCH

Lakes and ponds

- Perennial
- Intermittent

- Wells — flowing
- Springs
- Marsh
- Wet spot
- Alluvial fan
- Drainage end

RELIEF

Escarpments

- Bedrock
- Other

- Prominent peaks

Depressions

	Large	Small
Crossable with tillage implements		
Not crossable with tillage implements		
Contains water most of the time		

SOIL SURVEY DATA

- Soil boundary and symbol — Dx
- Gravel
- Stones
- Rock outcrops
- Chert fragments
- Clay spot
- Sand spot
- Gumbo or scabby spot
- Made land
- Severely eroded spot
- Blowout, wind erosion
- Gullies

Soil map constructed 1965 by Cartographic Division, Soil Conservation Service, USDA, from 1959 aerial photographs. Controlled mosaic based on Texas plane coordinate system, south central zone, Lambert conformal conic projection. 1927 North American datum.